General Description

The OCH1443 is an integrated Hall effect sensor designed for electronic commutation of brush-less high-voltage high-power DC motor applications. The device includes an on-chip Hall voltage generator for magnetic sensing, a comparator that amplifiers the Hall voltage, and a Schmitt trigger to provide switching hysteresis for noise rejection, and an open-collector output. An internal bandgap regulator is used to provide temperature compensated supply voltage for internal circuits and allows a wide operating supply range.

Features

- Wide operating voltage range: 3.8V~60V
- ESD:HBM-8KV
- Wide operating temperature range: -40°C~+150°C
- Robust open-collector output
- Package: SIP-3L(TO92S)

Applications

- High power Differential motor
- High power electrombile motor
- High power Brush less dc motor
- High power Auto-motive transmission position
- Speed and RPM (revolutions per minute) sensing

Pin Configuration

SIP-3L (Top View)

Name	No. SIP3	Status	Description
VCC	1	P	IC Power Supply
GND	2	P	IC Ground
Output	3	O	Output Stage of Open Collector

Application Circuit

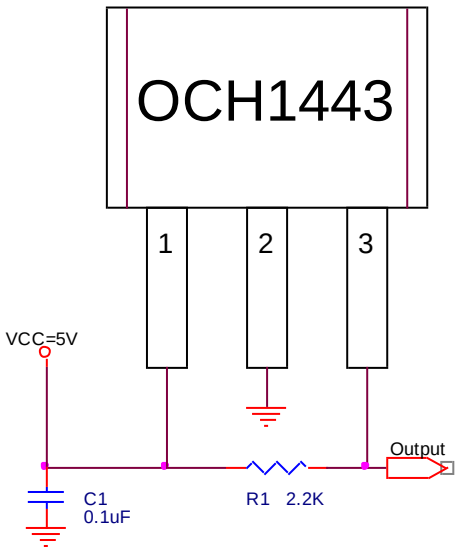

Fig 1, Typical Application Circuitry of OCH1443

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■ Ordering Information

Part Number	Package Type	Packing Qty	Bop (Gauss)	Brp (Gauss)	Temperature	Eco Plan	Lead
OCH1443MF	SIP-3L	Bulk 1000pcs/bag	150	110	-40～150℃	Rohs	Cu

注：想进一步了解产品咨询，请直接点击申请样品。我们会第一时间联系您！谢谢！

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